Science, Technology, Engineering and Math

Science, Technology, Engineering and Mathematics (STEM) encompasses a wide variety of job opportunities from forensic research, data analytics and cyber security to game design and aviation. STEM opportunities often intersect with research and the development of specific skills. These include, but are not limited to, problem solving, analytical thinking and the ability to work independently.

Tips for success

- **Pursue experiential learning opportunities**: Research, internships and job shadowing are paramount when searching for a full-time position in this industry.
- **Showcase your skills**: Technical skills can be a great differentiator in STEM; make sure to list any relevant technical skills towards the top of your resume.
- **Build your network**: Consider joining professional associations, conducting informational interviews and attending webinars and conferences.

Professional Associations

There are several local and national professional associations connected to this career field. Joining a professional association will help you network with professionals already in your field of interest, as well as expose you to new opportunities you may not have considered.

- **American Mathematical Society**
- **American Chemical Society**
- **American Society for Microbiology**
- **American Society of Civil Engineers**
- **Association for Women in Science**
- **National Society of Black Engineers**
- **Society of Hispanic Professional Engineers**
- **Society for Neuroscience**

Possible areas of employment

Aerospace

Agriculture

Analysts (Market, Information
   Security, Financial, etc.)

Architecture

Aviation

Cartography/GIS/Geology

Computer Technology & Design

Earth & Environmental Science

Engineering

Mathematics & Statistics

Physical Science

Solar Energy

Telecommunications

Top desired skills

Innovation

Analytics

Teamwork and Collaboration

Mathematics

Problem solving

Critical Thinking

ASU Career and Professional Development Services
Arizona State University